

Claims

1. Assembly comprising one or more devices each comprising an information carrier and a holder for the information carrier,
wherein the information carrier comprises a display for displaying changing and/or moving images and wherein the display at least partially forms a wind surface for under the influence of the wind moving at least the wind surface,
wherein the device comprises control means for controlling the display.
2. Assembly according to claim 1, comprising sound reproducing equipment for reproducing a sound or background sound belonging to the images displayed, wherein the sound reproducing equipment preferably is placed in at least one of the one or more devices.
3. Assembly according to claim 1 or 2, wherein the control means of the one or more devices comprises transmission and/or receiving means for connection to a network, for via the network receiving and/or transmitting data, preferably image and/or sound data.
4. Assembly according to claim 3, wherein the assembly further comprises a data processing device, such as for instance a computer, connected to the network, for exchanging data with the individual or collective devices.

5. Assembly according to any one of the preceding claims, wherein at least one of the one or more devices comprises a sensor for perceiving the surroundings of said device and/or the motion of at least the wind surface of said device, and wherein the sensor is connected to the control means of said device for transmitting a signal from the sensor to the control means.

6. Assembly according to claim 5, wherein the sensor comprises a position sensor, velocity sensor or acceleration sensor.

7. Assembly according to claim 5, wherein the sensor comprises a person detection sensor for detecting persons in the vicinity of the device.

8. Assembly according to claim 5, 6 or 7, wherein the control means are adapted for controlling the display depending on the sensor's signal.

9. Assembly according to claim 5, 6 or 7, when depending on claim 4, wherein the control means are adapted for forwarding the sensor's signal or a derived quantity thereof to the data processing device.

10. Device for use in an assembly according to one or more of the preceding claims, wherein the device comprises a receiver for receiving data for displaying on the display, wherein the receiver is connected to the control means for transmitting the data from the receiver to the control means.

11. Device according to claim 10, wherein the receiver comprises a wireless receiver, preferably a radio receiver.

12. Device according to claim 10 or 11, wherein the information carrier is movably connected to at least a portion of the holder.

13. Device according to claim 12, wherein the device comprises a motion sensor for detecting the motion of the information carrier with respect to the holder, wherein the motion sensor is connected to the control means for transmitting a signal from the motion sensor to the control means, and wherein the control means are adapted for controlling the display in dependency on the sensor's signal.

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14. Device according to claim 12 or 13, wherein the holder comprises a first holder portion for permanent connection to a basis and a second holder portion that is movably connected to the first portion, wherein the information carrier is substantially rotation-fixedly connected to the second portion of the holder.

15. Device according to claim 14, wherein the second holder portion is rotatably connected to the first holder portion.

16. Device according to claim 15, wherein the first and second holder portion are substantially cylindrical and wherein a first axis of the first holder portion is substantially parallel to and/or in line with a second axis of the second holder portion.

17. Device according to claim 16, wherein the first holder portion comprises a mast and wherein the second holder portion comprises a rotatable top of the mast.

18. Device according to claim 17, wherein the information carrier is substantially rotation-fixedly attached to the rotatable top.

19. Device according to claim 16, wherein the information carrier comprises a rotor, preferably a savonius-type rotor, which is placed so as to be rotatable about a substantially vertical axis of rotation, wherein the rotor has a substantially S-shaped cross-section in a direction substantially perpendicular to the axis of rotation of the rotor.
20. Device according to claim 12 or 13, wherein the information carrier is rotatably connected to the holder.
21. Device according to claim 20, wherein the information carrier comprises a wind turbine, a windmill or a rotor.
22. Device according to claim 19 or 21, wherein the wind surface comprises one or more openings for letting air pass through in order to optimise the wind catching capacity.
23. Device according to any one of the claims 10-22, wherein the display is substantially level and preferably flat.
24. Device according to claim 23, wherein the display is bendable and preferably flexible.
25. Device according to claim 24, wherein the display is made of an electronic fabric, preferably woven from yarn-shaped material comprising an electroforetic or electroluminescent material.
26. Device according to claim 24 or 25, wherein the information carrier is a flag, wherein the flag, preferably on two sides, is provided with a display.

27. Device according to claim 26, wherein the holder comprises a flagpole and/or banner arm.
28. Device according to any one of the claims 10-27, wherein the
5 information carrier is made of a flexible and/or elastic material, which material preferably at least partially surrounds the display.
29. Device according to any one of the claims 10-28, wherein the
10 display is an LCD, nano-LCD, electrowetting display, electroluminescent display or an electroforetic display.
30. Device according to claim 29, wherein the electroluminescent display comprises a series of LEDs, preferably organic LEDs, placed in columns and rows for forming a matrix display.
- 15 31. Device according to any one of the claims 10-30, wherein the information carrier comprises a transparent housing for the display.
32. Device according to claim 31, wherein the housing comprises a
20 sealing protective layer for protection from air, water and/or vapour.
33. Device according to claim 32, wherein the protective layer comprises a transparent inorganic or organic coating or cover plate.
- 25 34. Device according to any one of the claims 10-33, comprising means for generating electric power from a force exerted by the wind on the wind surface.
- 30 35. Device according to claim 34, comprising means for generating electric power from the movement of at least the wind surface under the influence of the wind.

36. Device according to claim 35, wherein the wind surface is rotatably connected to the holder and wherein the means for generating electric power comprise a rotating generator or dynamo, and wherein the wind surface preferably forms a wind turbine, a windmill or a rotor.

37. Device according to claim 35, wherein the holder comprises a first holder portion for permanent connection to a basis and a second holder portion that is rotatably connected to the first portion, wherein the wind surface is substantially rotation-fixedly connected to the second portion of the holder, and wherein the means for generating electric power comprise a rotating generator or dynamo.

38. Device according to claim 35, wherein the information carrier is provided with a flexible wind surface, wherein the means for generating electric power are adapted for generating electric power from the wind surface blowing in the wind.

39. Device according to claim 38, wherein the wind surface is at least partially provided with a piezoelectric foil situated in the wind surface, for generating electric power from the wind surface blowing in the wind.

40. Device according to claim 35, wherein the wind surface is spring-mounted at the holder for performing a, substantially in wind direction, reciprocal motion, and wherein the device comprises means for generating electric power from said reciprocal motion.

41. Device according to claim 40, wherein the device comprises means for converting said reciprocal motion into a circulating motion, for

instance by means of a crankshaft, and wherein the means for generating electric power comprises a dynamo or generator.

42. Device according to claim 34, wherein the holder and/or the
5 information carrier are provided with piezoelectric elements for absorbing the tensile force and for converting said tensile force into electric power.

43. Device according to any one of the claims 34-42, wherein the
10 device comprises further means for generating electric power from solar energy.

44. Device according to any one of the claims 34-43, wherein the
15 means for generating electric power from a motion of the wind surface can be coupled to means for energy storage, such as for instance a battery, the display and/or the control means for supplying electric power thereto.

45. Device comprising a carrier and a holder for the carrier,
20 wherein the carrier comprises a wind surface for moving at least the wind surface under the influence of the wind,

wherein the wind surface comprises an addressable surface part situated in the surface, which surface part can be switched to a first and a second state, wherein the surface part in the first state visually
25 differs from the surface part in the second state, and

wherein the device comprises control means for addressing the surface part, and means for generating electric power from the motion of at least the wind surface under the influence of the wind.

30 46. Holder suitable and intended for a device according to any one of the claims 10-45.

47. Information carrier suitable and intended for a device according to any one of the claims 10-44.

5 48. Assembly provided with one or more of the characterising measures described in the attached description and/or shown in the attached drawings.

10 49. Device provided with one or more of the characterising measures described in the attached description and/or shown in the attached drawings.

15 50. Method comprising one or more of the characterising steps described in the attached description and/or shown in the attached drawings.